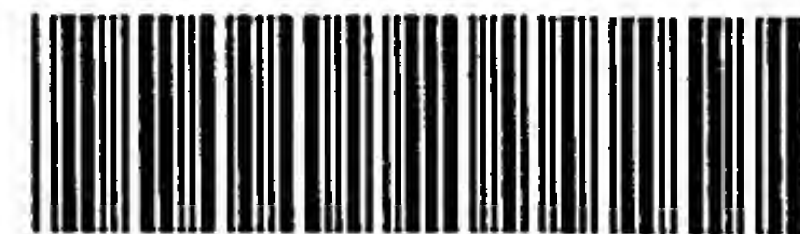


## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 09/6/3,170  
Source: IFW16  
Date Processed by STIC: 5/9/05

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 05/09/2005

PATENT APPLICATION: US/09/613,170

TIME: 16:20:18

Input Set : N:\Crif3\RULE60\09613170.raw

Output Set: N:\CRF4\05092005\I613170.raw

## SEQUENCE LISTING

3 (1) GENERAL INFORMATION:

5 (i) APPLICANT: Ueda, Tetsufumi

6 Ozkan, Eric D.

8 (ii) TITLE OF INVENTION: Compositions And Methods For The

9 Inhibition Of Neurotransmitter Uptake Of Synaptic

Vesicles

11 (iii) NUMBER OF SEQUENCES: 6

13 (iv) CORRESPONDENCE ADDRESS:

14 (A) ADDRESSEE: Medlen & Carroll, LLP

15 (B) STREET: 220 Montgomery Street, Suite 2200

16 (C) CITY: San Francisco

17 (D) STATE: California

18 (E) COUNTRY: United States of America

19 (F) ZIP: 94104

21 (v) COMPUTER READABLE FORM:

22 (A) MEDIUM TYPE: Floppy disk

23 (B) COMPUTER: IBM PC compatible

24 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

25 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

27 (vi) CURRENT APPLICATION DATA:

C--> 28 (A) APPLICATION NUMBER: US/09/613,170

C--> 29 (B) FILING DATE: 10-Jul-2000

30 (C) CLASSIFICATION: 514

32 (vii) PRIOR APPLICATION DATA:

33 (A) APPLICATION NUMBER: US/08/840,006

34 (B) FILING DATE: 15-APR-1997

36 (viii) ATTORNEY/AGENT INFORMATION:

37 (A) NAME: Carroll, Peter G.

38 (B) REGISTRATION NUMBER: 32,837

39 (C) REFERENCE/DOCKET NUMBER: UM-02786

41 (ix) TELECOMMUNICATION INFORMATION:

42 (A) TELEPHONE: (415) 705-8410

43 (B) TELEFAX: (415) 397-8338

46 (2) INFORMATION FOR SEQ ID NO: 1:

48 (i) SEQUENCE CHARACTERISTICS:

49 (A) LENGTH: 10 amino acids

50 (B) TYPE: amino acid

51 (C) STRANDEDNESS: Not Relevant

52 (D) TOPOLOGY: linear

54 (ii) MOLECULE TYPE: peptide

59 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

61 Glu Ala Ala Leu Thr Ser Glu Glu Val Gly

62 1 5 10

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/613,170

DATE: 05/09/2005

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Input Set : N:\Crif3\RULE60\09613170.raw

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## 64 (2) INFORMATION FOR SEQ ID NO: 2:

## 66 (i) SEQUENCE CHARACTERISTICS:

67 (A) LENGTH: 5 amino acids

68 (B) TYPE: amino acid

69 (C) STRANDEDNESS: Not Relevant

70 (D) TOPOLOGY: linear

## 72 (ii) MOLECULE TYPE: peptide

## 77 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

79 Tyr His Arg Phe Lys

80 1 5

## 82 (2) INFORMATION FOR SEQ ID NO: 3:

## 84 (i) SEQUENCE CHARACTERISTICS:

85 (A) LENGTH: 10 amino acids

86 (B) TYPE: amino acid

87 (C) STRANDEDNESS: Not Relevant

88 (D) TOPOLOGY: linear

## 90 (ii) MOLECULE TYPE: peptide

## 95 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

97 Tyr His Arg Phe Lys Glu Leu Ser Thr Leu

98 1 5 10

## 100 (2) INFORMATION FOR SEQ ID NO: 4:

## 102 (i) SEQUENCE CHARACTERISTICS:

103 (A) LENGTH: 20 amino acids

104 (B) TYPE: amino acid

105 (C) STRANDEDNESS: Not Relevant

106 (D) TOPOLOGY: linear

## 108 (ii) MOLECULE TYPE: peptide

## 113 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

115 Tyr His Arg Phe Lys Glu Leu Ser Thr Leu Arg Arg Gln Lys Leu Glu

116 1 5 10 15

118 Asp Ser Tyr Arg

119 20

## 121 (2) INFORMATION FOR SEQ ID NO: 5:

## 123 (i) SEQUENCE CHARACTERISTICS:

124 (A) LENGTH: 1200 amino acids

125 (B) TYPE: amino acid

126 (C) STRANDEDNESS: Not Relevant

127 (D) TOPOLOGY: linear

## 129 (ii) MOLECULE TYPE: peptide

## 134 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:

136 Met Asp Pro Ser Gly Val Lys Val Leu Glu Thr Ala Glu Asp Ile Gln

137 1 5 10 15

139 Glu Arg Arg Gln Gln Val Leu Asp Arg Tyr His Arg Phe Lys Glu Leu

140 20 25 30

142 Ser Thr Leu Arg Arg Gln Lys Leu Glu Asp Ser Tyr Arg Phe Gln Phe

143 35 40 45

145 Phe Gln Arg Asp Ala Glu Glu Leu Glu Lys Trp Ile Gln Glu Lys Leu

146 50 55 60

148 Gln Ile Ala Ser Asp Glu Asn Tyr Lys Asp Pro Thr Asn Leu Gln Gly

## RAW SEQUENCE LISTING

DATE: 05/09/2005

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TIME: 16:20:18

Input Set : N:\Crif3\RULE60\09613170.raw

Output Set: N:\CRF4\05092005\I613170.raw

149	65		70		75		80
151	Lys	Leu	Gln	Lys	His	Gln	Ala
152				85			90
154	Gly	Ala	Ile	Val	Lys	Leu	Asp
155				100			105
157	Gly	His	Phe	Ala	Ser	Glu	Thr
158				115			120
160	Arg	Gln	Trp	Glu	Leu	Leu	Leu
161				130			135
163	Leu	Leu	Gln	Ala	Gln	Asn	Leu
164				145			150
166	Val	Met	Asp	Trp	Ile	Asn	Asp
167				165			170
169	Leu	Gly	Gln	Asp	Leu	Glu	His
170				180			185
172	Glu	Phe	Gln	Thr	Asp	Met	Ala
173				195			200
175	Asn	Gln	Phe	Ala	Ala	Lys	Leu
176				210			215
178	Leu	Ile	Lys	Thr	Lys	Gln	Asp
179				225			230
181	Lys	Gly	Leu	Ala	Leu	Gln	Arg
182				245			250
184	Val	Gln	Arg	Phe	Asn	Arg	Asp
185				260			265
187	Glu	Lys	Glu	Gln	Leu	Met	Ala
188				275			280
190	Ser	Val	Gln	Ala	Leu	Leu	Arg
191				290			295
193	Ala	Ala	Leu	Glu	Asp	Lys	Val
194				305			310
196	Leu	Gln	Gln	Ser	His	Pro	Leu
197				325			330
199	Glu	Glu	Leu	Ile	Thr	Asn	Trp
200				340			345
202	Arg	His	Ala	Arg	Leu	Asn	Asp
203				355			360
205	Asp	Phe	Arg	Asp	Leu	Thr	Ser
206				370			375
208	Asn	Ala	Asp	Glu	Leu	Ala	Ser
209				385			390
211	Asp	Arg	His	Gln	Glu	His	Lys
212				405			410
214	Phe	Lys	Ser	Ala	Asp	Glu	Ser
215				420			425
217	Tyr	Ala	Ser	Asp	Glu	Val	Arg
218				435			440
220	Arg	Ala	Ala	Leu	Leu	Glu	Leu
221				450			455

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/613,170

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Input Set : N:\Crf3\RULE60\09613170.raw

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223	Gln	Cys	Met	Asp	Leu	Gln	Leu	Phe	Tyr	Arg	Asp	Thr	Glu	Gln	Val	Asp
224	465					470					475					480
226	Asn	Trp	Met	Ser	Lys	Gln	Glu	Ala	Phe	Leu	Leu	Asn	Glu	Asp	Leu	Gly
227					485					490						495
229	Asp	Phe	Leu	Asp	Ser	Val	Glu	Ala	Leu	Leu	Lys	Lys	His	Glu	Asp	Phe
230				500					505					510		
232	Glu	Lys	Ser	Leu	Ser	Ala	Gln	Glu	Glu	Lys	Ile	Thr	Ala	Leu	Asp	Glu
233			515					520					525			
235	Phe	Ala	Thr	Lys	Leu	Ile	Gln	Asn	Asn	His	Tyr	Ala	Met	Glu	Asp	Val
236		530					535					540				
238	Ala	Thr	Arg	Arg	Asp	Ala	Leu	Leu	Ser	Arg	Arg	Asn	Ala	Leu	His	Glu
239	545					550				555						560
241	Arg	Ala	Met	Arg	Arg	Arg	Ala	Gln	Leu	Ala	Asp	Ser	Phe	His	Leu	Gln
242				565						570					575	
244	Gln	Phe	Phe	Arg	Asp	Ser	Asp	Glu	Leu	Lys	Ser	Trp	Val	Asn	Glu	Lys
245				580						585				590		
247	Met	Lys	Thr	Ala	Thr	Asp	Glu	Ala	Tyr	Lys	Asp	Pro	Ser	Asn	Leu	Gln
248			595				600						605			
250	Gly	Lys	Val	Gln	Lys	His	Gln	Ala	Phe	Glu	Ala	Glu	Leu	Ser	Ala	Asn
251		610					615					620				
253	Gln	Ser	Arg	Ile	Asp	Ala	Leu	Glu	Lys	Ala	Gly	Gln	Lys	Leu	Ile	Asp
254	625					630					635					640
256	Val	Asn	His	Tyr	Ala	Lys	Asp	Glu	Val	Ala	Ala	Arg	Met	Asn	Glu	Val
257				645						650					655	
259	Ile	Ser	Leu	Trp	Lys	Lys	Leu	Leu	Glu	Ala	Thr	Glu	Leu	Lys	Gly	Ile
260				660					665					670		
262	Lys	Leu	Arg	Glu	Ala	Asn	Gln	Gln	Gln	Gln	Phe	Asn	Arg	Asn	Val	Glu
263			675					680					685			
265	Asp	Ile	Glu	Leu	Trp	Leu	Tyr	Glu	Val	Glu	Gly	His	Leu	Ala	Ser	Asp
266		690					695					700				
268	Asp	Tyr	Gly	Lys	Asp	Leu	Thr	Asn	Val	Gln	Asn	Leu	Gln	Lys	Lys	His
269	705					710					715					720
271	Ala	Leu	Leu	Glu	Ala	Asp	Val	Ala	Ala	His	Gln	Asp	Arg	Ile	Asp	Gly
272				725						730					735	
274	Val	Thr	Ile	Gln	Ala	Arg	Gln	Phe	Gln	Asp	Ala	Gly	His	Phe	Asp	Ala
275				740						745				750		
277	Glu	Asn	Ile	Lys	Lys	Lys	Gln	Glu	Ala	Leu	Val	Ala	Arg	Tyr	Glu	Ala
278			755					760					765			
280	Leu	Lys	Glu	Pro	Met	Val	Ala	Arg	Lys	Gln	Lys	Leu	Ala	Asp	Ser	Leu
281		770					775					780				
283	Arg	Leu	Gln	Gln	Leu	Phe	Arg	Asp	Val	Glu	Asp	Glu	Glu	Thr	Trp	Ile
284	785					790					795					800
286	Arg	Glu	Lys	Glu	Pro	Ile	Ala	Ala	Ser	Thr	Asn	Arg	Gly	Lys	Asp	Leu
287				805						810					815	
289	Ile	Gly	Val	Gln	Asn	Leu	Leu	Lys	Lys	His	Gln	Ala	Leu	Gln	Ala	Glu
290				820						825				830		
292	Ile	Ala	Gly	His	Glu	Pro	Arg	Ile	Lys	Ala	Val	Thr	Gln	Lys	Gly	Asn
293			835					840					845			
295	Ala	Met	Val	Glu	Glu	Gly	His	Phe	Ala	Ala	Glu	Asp	Val	Lys	Ala	Lys

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/613,170

DATE: 05/09/2005

TIME: 16:20:18

Input Set : N:\Crf3\RULE60\09613170.raw

Output Set: N:\CRF4\05092005\I613170.raw

296	850	855	860
298	Leu His Glu Leu Asn Gln Lys Trp Glu Ala Leu Lys Ala Lys Ala Ser		
299	865	870	875 880
301	Gln Arg Arg Gln Asp Leu Glu Asp Ser Leu Gln Ala Gln Gln Tyr Phe		
302	885	890	895
304	Ala Asp Ala Asn Glu Ala Glu Ser Trp Met Arg Glu Lys Glu Pro Ile		
305	900	905	910
307	Val Gly Ser Thr Asp Tyr Gly Lys Asp Glu Asp Ser Ala Glu Ala Leu		
308	915	920	925
310	Leu Lys Lys His Glu Ala Leu Met Ser Asp Leu Ser Ala Tyr Gly Ser		
311	930	935	940
313	Ser Ile Gln Ala Leu Arg Glu Gln Ala Gln Ser Cys Arg Gln Gln Val		
314	945	950	955 960
316	Ala Pro Thr Asp Asp Glu Thr Gly Lys Glu Leu Val Leu Ala Leu Tyr		
317	965	970	975
319	Asp Tyr Gln Glu Lys Ser Pro Arg Glu Val Thr Met Lys Lys Gly Asp		
320	980	985	990
322	Ile Leu Thr Leu Leu Asn Ser Thr Asn Lys Asp Trp Trp Lys Val Glu		
323	995	1000	1005
325	Val Asn Asp Arg Gln Gly Phe Val Pro Ala Ala Tyr Val Lys Lys Leu		
326	1010	1015	1020
328	Asp Pro Ala Gln Ser Ala Ser Arg Glu Asn Leu Leu Glu Glu Gln Gly		
329	1025	1030	1035 1040
331	Ser Ile Ala Leu Arg Gln Glu Gln Ile Asp Asn Gln Thr Arg Ile Thr		
332	1045	1050	1055
334	Lys Glu Ala Gly Ser Val Ser Leu Arg Met Lys Gln Val Glu Glu Leu		
335	1060	1065	1070
337	Tyr His Ser Leu Leu Glu Leu Gly Glu Lys Arg Lys Gly Met Leu Glu		
338	1075	1080	1085
340	Lys Ser Cys Lys Lys Phe Met Leu Phe Arg Glu Ala Asn Glu Leu Gln		
341	1090	1095	1100
343	Gln Trp Ile Asn Glu Lys Glu Ala Ala Leu Thr Ser Glu Glu Val Gly		
344	1105	1110	1115 1120
346	Ala Asp Leu Glu Gln Val Glu Val Leu Gln Lys Lys Phe Asp Asp Phe		
347	1125	1130	1135
349	Gln Lys Asp Leu Lys Ala Asn Glu Ser Arg Leu Lys Asp Ile Asn Lys		
350	1140	1145	1150
352	Val Ala Glu Asp Leu Glu Ser Glu Gly Leu Met Ala Glu Glu Val Gln		
353	1155	1160	1165
355	Ala Val Gln Gln Gln Glu Val Tyr Gly Met Met Pro Arg Asp Glu Thr		
356	1170	1175	1180
358	Asp Ser Lys Thr Ala Ser Pro Trp Lys Ser Ala Arg Leu Met Val His		
359	1185	1190	1195 1200

362 (2) INFORMATION FOR SEQ ID NO: 6:

364 (i) SEQUENCE CHARACTERISTICS:

365 (A) LENGTH: 1151 amino acids

366 (B) TYPE: amino acid

367 (C) STRANDEDNESS: Not Relevant

368 (D) TOPOLOGY: linear

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/613,170

DATE: 05/09/2005

TIME: 16:20:19

Input Set : N:\Crf3\RULE60\09613170.raw

Output Set: N:\CRF4\05092005\I613170.raw

L:28 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:29 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]